

I CLAIM:

1. A method for providing entry node location information to a service provider in a wireless telecommunication system, comprising the steps of:

    sending a subscriber data packet from a wireless device to a wireless telecommunications system entry node;

    sending resource identification information for the entry node to the service provider; and

    determining the location of the entry node based on the resource identification information from the entry node.

2. The method of Claim 1, further comprising the step of determining the number of service provider subscribers operating in the location of the entry node.

3. The method of Claim 2, further comprising the step of modifying data transmitted to the subscribers to reduce overburdening components of the telecommunications system based on the number of the subscribers operating in the location of the entry node.

4. The method of Claim 3, wherein the step of modifying the data further comprising altering the frequency, volume and content of data transmitted to the subscribers based on the number of the subscribers operating in the location of the entry node.

5. The method of Claim 1, further comprising the step of sending entry node location information to service provider subscribers operating in the location of the entry node.

6. The method of Claim 5, wherein the step of sending entry node location information to service provider subscribers includes sending commercial and non-commercial information related to an area covered by the entry node.

7. The method of Claim 1, further comprising the step of sending entry node location information to third party subscribers of location information on operators of wireless devices located within a service area of the wireless telecommunications system entry node.

8. The method of Claim 1, whereby the step of sending a subscriber data packet from a wireless device to a wireless telecommunications system entry node further includes sending a radio frequency acknowledgement from the wireless device to the wireless telecommunications system entry node.

9. The method of Claim 8, after the step of sending a subscriber data packet from a wireless device to a wireless telecommunications system entry node,  
creating a traffic log including resource identification information on the entry node;  
sending the traffic log, the subscriber data packet, and a positive acknowledgement from the entry node to a mobile switch; and  
at the mobile switch, extracting the resource identification information from the traffic log.

10. The method of Claim 1, prior to the step of sending a subscriber data packet from a wireless device to a wireless telecommunications system entry node,  
receiving a service provider data packet from the service provider at a wireless device; and  
in response to the data packet, sending from the wireless device a radio frequency acknowledgement to the entry node.

11. The method of Claim 1, wherein the step of determining the location of the entry node based on the resource identification information from the entry node, further includes querying an entry node database for the location of the entry node based on the resource identification information.

12. The method of Claim 1, wherein the step of determining the location of the entry node based on the resource identification information from the entry node, further includes extracting the location of the entry node from the resource identification information.

13. A system for providing entry node location information to a service provider in a wireless telecommunication system, comprising:

a wireless device operative

to send a subscriber data packet to a wireless telecommunications system entry node;

a mobile switch operative

to send resource identification information for the entry node to the service provider; and

a service provider host operative

to determine the location of the entry node based on the resource identification information from the entry node.

14. The method of Claim 13, whereby the service provider host is further operative

to determine the number of service provider subscribers operating in the location of the entry node; and

to modify data transmitted to the subscribers to reduce overburdening components of the telecommunications system based on the number of the subscribers operating in the location of the entry node.

15. The method of Claim 14, wherein service provider host is further operative to modify the frequency, speed, volume and content of data transmitted to the subscribers based on the number of the subscribers operating in the location of the entry node.

16. The method of Claim 13, whereby the service provider host is further operative

to send entry node location information to service provider subscribers operating in the location of the entry node.

17. The method of Claim 13, whereby the wireless device is further operative

to send a radio frequency acknowledgement from the wireless device to the wireless telecommunications system entry node.

18. The method of Claim 13, whereby the entry node is a wireless telecommunications system antenna site and is operative

to create a traffic log including resource identification information on the entry node;

to send the traffic log, the subscriber data packet, and a positive acknowledgement to the mobile switch; and

the mobile switch being further operative

to extracting the resource identification information from the traffic log.

19. A method for providing entry node location information to a service provider in a wireless telecommunication system, comprising the steps of:

receiving a data packet from the service provider at a wireless device;

sending an acknowledgement and a subscriber data packet from the wireless device to a wireless telecommunications system entry node;

at the entry node, creating a traffic log, including resource identification information on the entry node;

at a switch, extracting the resource identification information from the traffic log;

sending the subscriber data packet, a positive acknowledgement and the resource identification information to the service provider; and

at an entry node database, determining the location of the entry node based on the resource identification information.

20. The method of Claim 19, further comprising the step of:

at the service provider, determining the number of service provider subscribers operating in the location in the entry.

21. The method of Claim 20, further comprising the step of modifying data transmitted to the subscribers to reduce overburdening components of the telecommunications system based on the number of the subscribers operating in the location of the entry node.

22. The method of Claim 19, wherein the step of sending entry node location information to service provider subscribers includes sending commercial and non-commercial information related to an area covered by the entry node.